

Claims:

1. A leisure sports helmet, comprising:
 - a helmet body comprising:
 - a rounded outer shell shaped to correspond to a shape of a head of a user and
 - 5 having a strength and rigidity higher than predetermined levels to reduce impacts and disperse a force of the impacts; and
 - an inner shell placed in the outer shell to cover the head of the user and having higher impact absorbing and impact force dispersing abilities;
 - a plurality of vents formed through both the outer and inner shells at predetermined
 - 10 positions of the helmet body, thus introducing atmospheric air to an interior of the helmet body and discharging the air from the interior of the helmet body to the atmosphere along with heat generated from the head of the user; and
 - a fan provided at a predetermined position of the helmet body to rotate by rapid air currents flowing around the helmet body, thus forcibly discharging the heated air from the interior
 - 15 of the helmet body to the atmosphere through the plurality of vents and decorating the helmet body.
2. The leisure sports helmet according to claim 1, further comprising:
 - a plurality of air channels provided on an inner surface of the inner shell of the helmet
 - 20 body to distribute the air to all sections of the head of the user.
3. The leisure sports helmet according to claim 1, further comprising:
 - a depression provided at a predetermined portion of the helmet body, with a shaft hole
 - formed on a center of the depression; and
 - 25 a plurality of ventilating openings provided on the helmet body at positions around the shaft hole of the depression in radial directions, with the fan mounted to the shaft hole of the depression.

4. The leisure sports helmet according to claim 3, wherein the fan comprises:
a boss provided at a center of the fan; and
a bearing set in the boss,
wherein the boss of the fan is assembled with a rotating shaft of the fan fitted into the
5 shaft hole of the depression of the helmet body, thus the fan rotates in the shaft hole by the air
currents flowing around the helmet body.

5. The leisure sports helmet according to claim 1, wherein the fan forcibly rotates by a
power generating unit.

10

6. The leisure sports helmet according to claim 5, wherein the power generating unit
comprises a motor, with a power switch provided at a predetermined position of the helmet body
to control the motor.

15

7. The leisure sports helmet according to claim 1, further comprising:
a plurality of lamps provided at predetermined positions of the helmet body to be turned
on or off.

8. The leisure sports helmet according to claim 7, wherein the plurality of lamps
20 comprises a plurality of light emitting diodes (LED) which are turned on or off by a
microcomputer through a regular or irregular lighting pattern.

9. The leisure sports helmet according to claim 1, wherein the fan is installed in an upper
part of the helmet body to be slightly leaned forward, thus being placed over a parietal region of the
25 head of the user, the fan rotating around a rotating shaft thereof, mounted to the helmet body, by
the air currents while the user travels rapidly when participating in leisure sports, so that the
atmospheric air introduced into the interior of the helmet body through the plurality of vents flows
through the plurality of air channels while causing convection to transfer the heat to the air in the

interior of the helmet body, and, thereafter, the heated air is forcibly discharged to the atmosphere by the fan, thus ventilating the interior of the helmet body.

10. The leisure sports helmet according to claim 1, wherein the fan is installed in a frontal
5 part of the helmet body to be placed over a frontal region of the head of the user, the fan rotating around a rotating shaft thereof, mounted to the helmet body, by the air currents while the user travels rapidly when participating in leisure sports, so that the fan forcibly introduces the atmospheric air into the interior of the helmet body to cause convection to transfer the heat to the air in the interior of the helmet body, and, thereafter, the heated air is discharged to the atmosphere
10 through the plurality of vents, thus ventilating the interior of the helmet body.

11. The leisure sports helmet according to claim 1, further comprising:
a light accumulation layer or a recursive reflection layer is provided on an external
surface of the fan or the helmet body.

15

12. The leisure sports helmet according to claim 1, further comprising:
an audio integrated circuit provided in the helmet body to record sounds and output the recorded sounds.